



Minnesota Ag News – Crop Weather

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Released: July 21, 2008

Issue No: CW-29-08

COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN MN,
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

WARM TEMPERATURES AND RAIN AIDED CROPS

Warm temperatures and rainfall across the state aided crop development last week, according to USDA, NASS, Minnesota Field Office. Small grains continued to ripen with the favorable weather, while half of the soybean crop reached the blooming stage and 7 percent of the corn crop reached the silking stage.

The average temperature for the week was 69.9°, 0.3° below normal. Statewide topsoil moisture supplies as of Friday, July 18th were 4 percent very short, 24 short, 69 adequate, and 3 surplus. Statewide, on average, there were 5.5 days suitable for fieldwork during the week.

As of Sunday, July 20th, the average corn height was estimated at 59 inches compared to 78 inches last year and 69 inches for the 5-year average. Seven percent of corn was silking compared to 82 percent last year and 52 percent average. The average height of soybeans was 17 inches compared to 22 inches last year and 20 inches for the 5-year average. Fifty percent of soybeans were blooming compared to 77 percent last year and 68 percent average.

Spring wheat was 23 percent ripening compared to 66 percent last year and 45 percent average. Barley was 18 percent ripening compared to 80 percent last year and 54 percent average. Oats were 36 percent ripening compared to 87 percent last year and 67 percent average. One percent of oats were harvested compared to 20 percent last year and 8 percent average.

As of Friday, July 18th, 69 percent of corn and soybeans were rated in good or excellent condition.

Eighty-four percent of spring wheat, 77 percent of barley, and 80 percent of oats were rated in good or excellent condition.

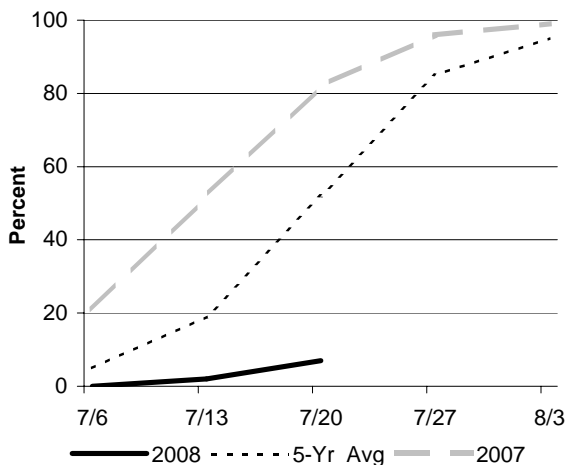
Sixty percent of dry beans, 76 percent of sunflowers, 80 percent of canola, and 56 percent of pasture were rated in good or excellent condition.

Days Suitable for Fieldwork: 5.5				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	4	24	69	3

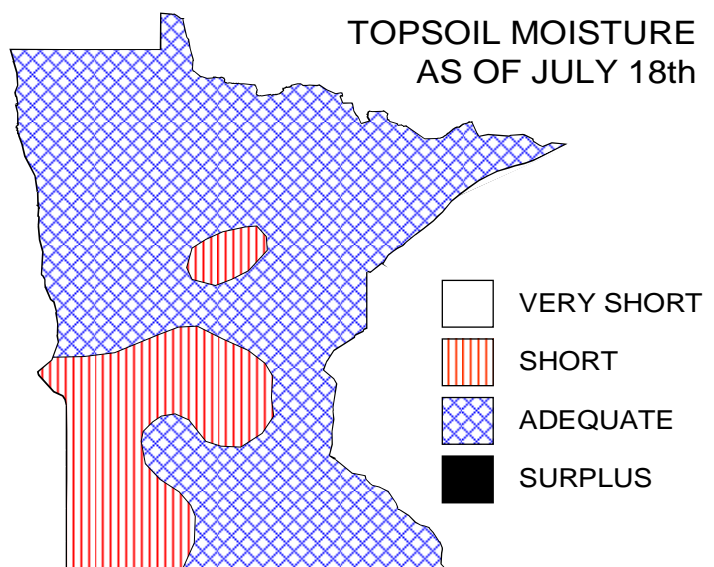
Crop Progress as of July 20, 2008					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height (inches)	59	46	78	69
	Silking	7	2	82	52
Soybeans	Height (inches)	17	13	22	20
	Blooming	50	28	77	68
Spring Wheat	Heading	90	75	100	98
	Ripening	23	4	66	45
Barley	Heading	85	72	100	98
	Ripening	18	5	80	54
Oats	Heading	95	86	100	98
	Ripening	36	13	87	67
	Harvested	1	N/A	20	8

Crop Condition as of July 18, 2008					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Corn	2	5	24	56	13
Soybeans	2	4	25	56	13
Spring Wheat	0	1	15	53	31
Barley	0	1	22	55	22
Oats	1	2	17	61	19
Potatoes	1	2	13	49	35
Sugarbeets	1	1	34	50	14
Dry Beans	0	2	38	54	6
Sunflowers	0	1	23	55	21
Canola	0	0	20	53	27
Pasture	1	10	33	50	6

CORN SILKING
JULY 6 - AUG 3



TOPSOIL MOISTURE
AS OF JULY 18th



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 20, 2008:
Temperatures averaged from 3.1 degrees below normal in the Northeast District to 1.9 degrees above normal in the East Central District. Extremes: 37 degrees in Hibbing, 93 degrees in Willmar, Worthington, Winnebago. Precipitation averaged from 0.54 inch below normal in the North Central District to 1.52 inches above normal in the South Central District. Greatest weekly total was 4.34 inches recorded in Waseca.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 7/14/2008 through 7/20/2008

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 14	Depart from Norm
<u>NW DIST 1</u>										
Crookston	85	50	66.0	-3.7	.09	-.60	-1.36	-2.56	880	-185
Moorhead	90	53	69.4	-1.5	.43	-.20	-.07	2.10	1007	-104
Warroad	78	50	64.2	-3.3	.61	-.21	.86	1.55	792	-138
<u>NC DIST 2</u>										
Grand Rapids	84	46	66.2	-1.7	.30	-.74	-2.32	1.79	878	-68
Intl. Falls	78	40	62.2	-4.2	.24	-.50	1.28	3.73	711	-169
Itasca	83	48	64.4	-2.0	.47	-.39	-.85	4.13	784	-89
<u>NE DIST 3</u>										
Duluth	80	48	63.8	-2.1	2.31	1.37	.52	3.24	741	-52
Grand Marais	80	46	58.0	-3.0	.42	-.34	.37	7.97	445	-66
Hibbing	81	37	62.2	-4.1	1.25	.17	.33	2.07	719	-128
<u>WC DIST 4</u>										
Alexandria	85	54	70.4	-.1	1.76	1.06	1.24	.85	966	-100
Browns Valley	92	53	71.1	-1.6	.38	-.40	-1.68	2.63	1030	-148
Canby	92	59	74.2	.7	1.24	.50	-1.72	-.22	1140	-100
Fergus Falls	87	52	69.5	-.8	.25	-.48	-.29	1.97	951	-126
Montevideo	89	52	72.2	-.0	1.28	.53	-1.75	-.69	1081	-104
Morris	91	51	71.4	.0	.49	-.40	-2.40	-1.29	1014	-139
<u>CENT DIST 5</u>										
Becker	90	54	71.6	1.4	.47	-.46	-1.59	.74	1074	12
Collegeville	91	58	72.8	.2	.78	.00	-1.23	2.21	1110	-88
Hutchinson	89	56	73.6	1.2	.23	-.59	-1.80	-1.10	1125	-83
Olivia	87	53	71.5	-.1	1.32	.55	-.78	.18	1055	-131
St. Cloud	89	51	70.6	.4	.25	-.45	-1.22	.34	1020	-42
Staples	83	52	67.6	-.2	1.38	.58	-.28	1.05	861	-94
Willmar	93	53	73.6	2.0	.45	-.35	-2.39	-2.24	1085	-87
<u>EC DIST 6</u>										
Aitkin	84	52	68.0	1.0	1.32	.27	.17	2.12	860	-43
Forest Lake	91	55	72.1	1.0	1.39	.38	-.34	1.77	1075	-64
MSP Airport	91	61	77.0	3.4	.26	-.63	-1.70	-2.27	1249	9
St. Paul - UofM	92	58	75.9	2.2	.75	-.22	-2.34	-2.70	1224	-51
<u>SW DIST 7</u>										
Lamberton	92	52	73.4	1.1	1.14	.34	-1.61	-1.26	1155	-81
Pipestone	89	52	72.1	.2	1.30	.57	-.66	.11	1033	-130
Redwood Falls	92	52	74.2	.4	.91	.07	-1.87	-.93	1160	-134
Worthington	93	53	73.8	2.5	2.52	1.75	.27	3.26	1142	-8
<u>SC DIST 8</u>										
Faribault	92	54	73.2	1.5	1.16	.20	-1.22	1.22	1102	-62
Mankato	92	54	73.4	1.0	2.73	1.79	-.70	-.76	1126	-86
Waseca	91	52	72.6	1.1	4.34	3.34	1.68	3.06	1121	-71
Winnebago	93	55	74.3	1.8	1.68	.77	-.78	1.15	1201	-30
<u>SE DIST 9</u>										
Preston	90	50	72.0	1.3	.52	-.53	-1.14	9.42	1093	-17
Red Wing	91	57	74.4	2.0	1.45	.49	-1.01	1.17	1140	-53
Rochester	89	56	73.2	2.8	.59	-.46	-1.38	3.85	1161	62
Rosemount	88	56	73.2	1.9	.28	-.77	-1.39	.38	1091	-56
Winona	89	57	73.0	-2.1	1.74	.79	1.48	7.45	1095	-233

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the USDA-NASS Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

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USDA, NASS, Minnesota Field Office
PO Box 7068, ST. PAUL MN 55107
WEEKLY NEWS REPORT
Minnesota Crop-Weather Report
Publication No. 387190
Address Service Requested